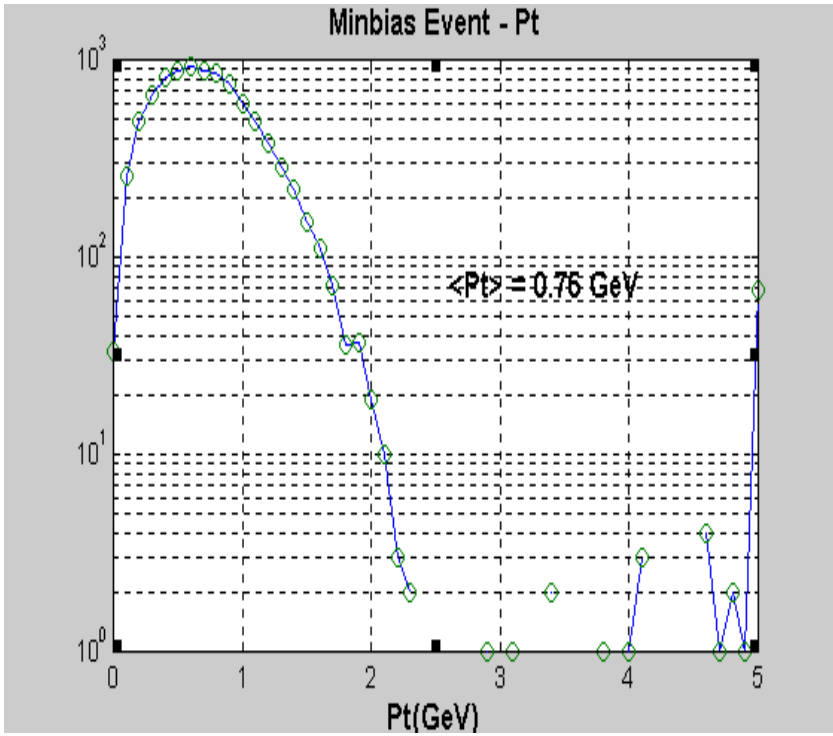
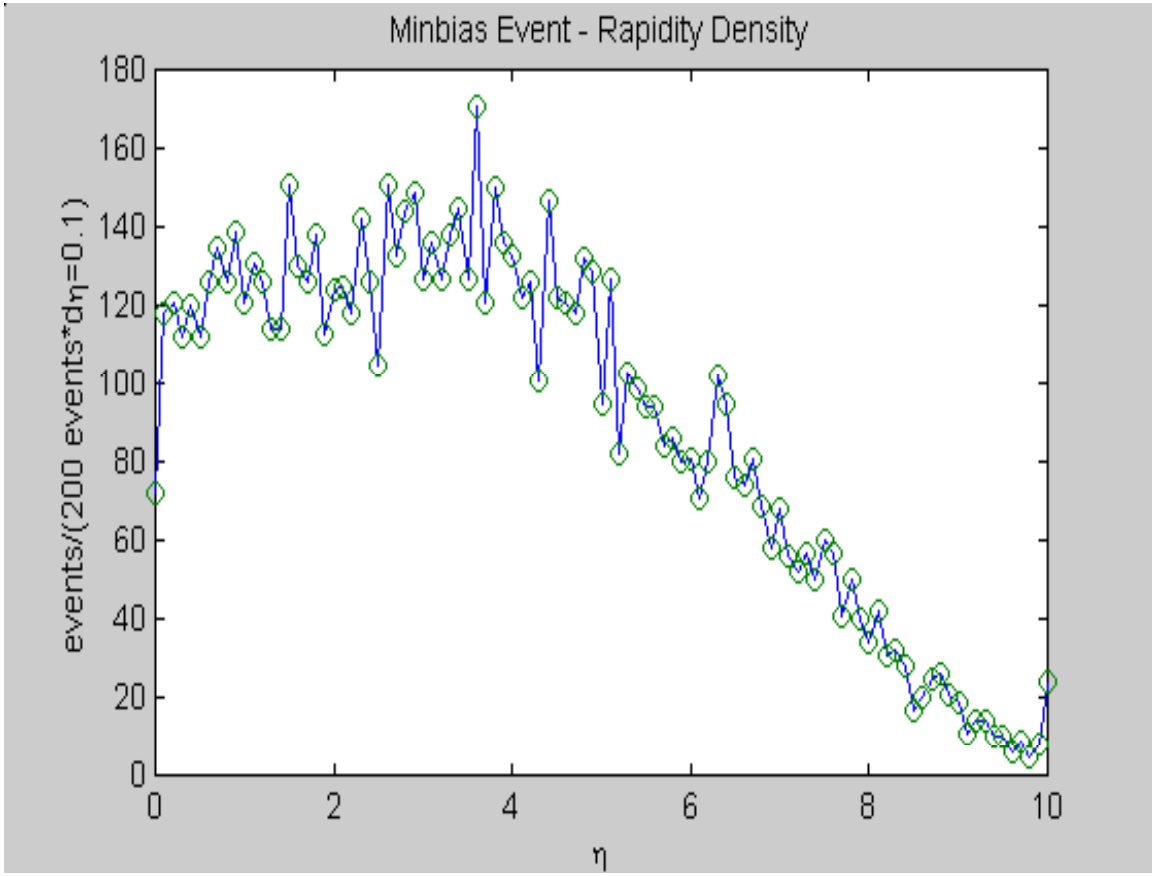
Single Particle - Pt

1 parameter defines falloff --> <Pt>



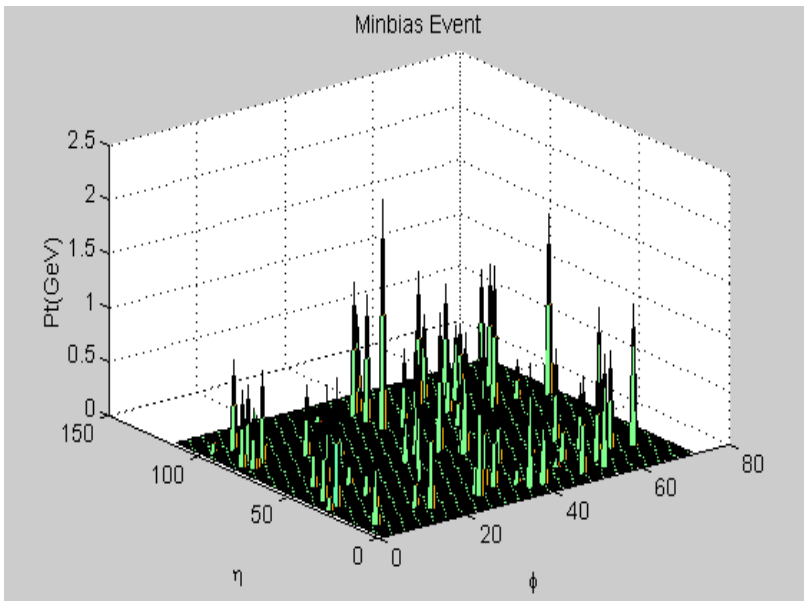
Single Particle - y

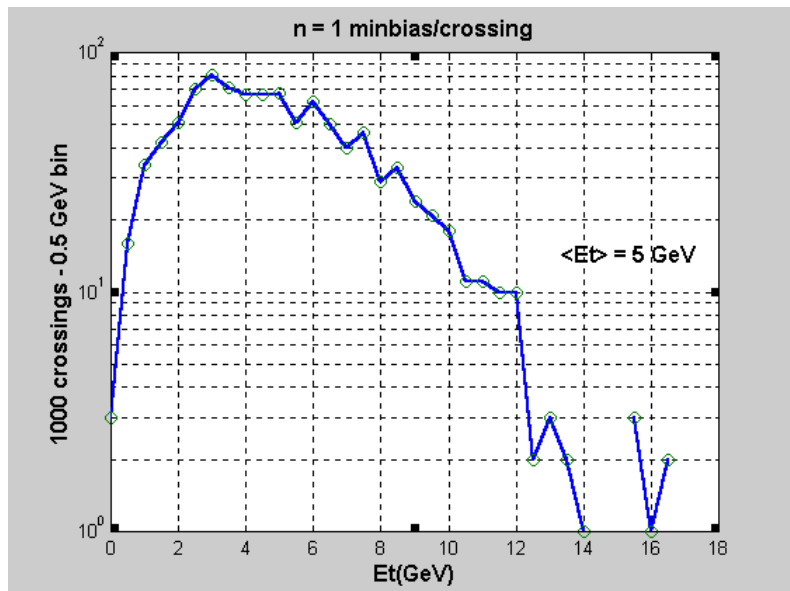
2 parameters - plateau and power of falloff



Single Minbias Event

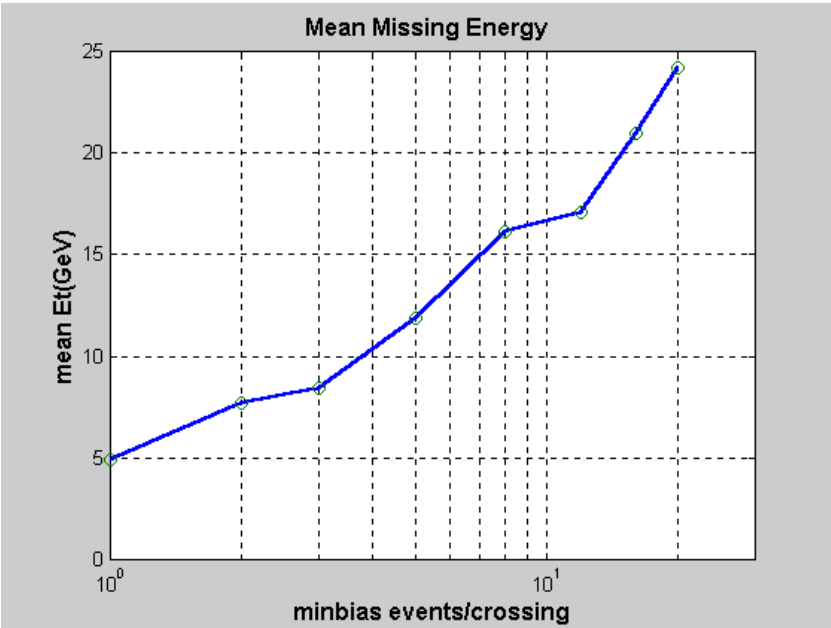
Pick pions out of inclusive single particle distributions. Stop when CM energy is saturated. Lego for CMS HCAL towers. Et in event due to calorimeter energy error and truncation of the event at $|\eta| < 5$.

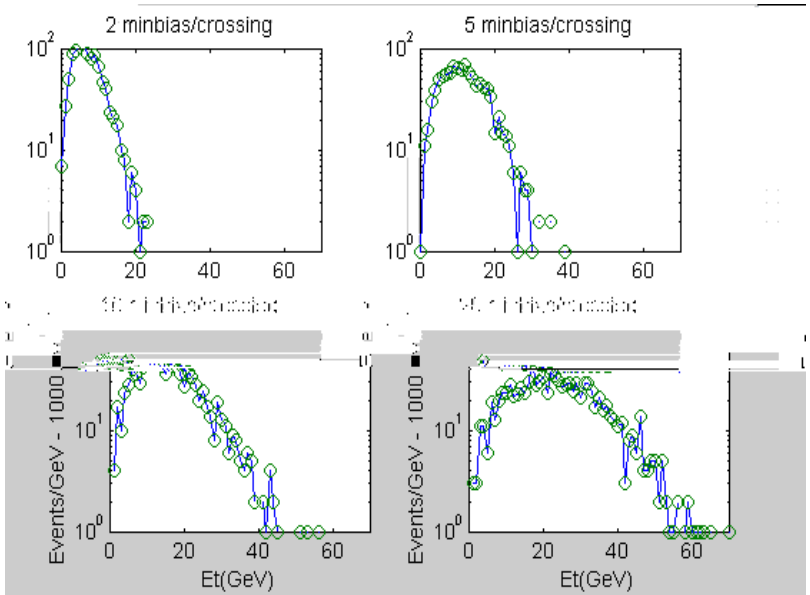




n Minbias Events/Crossing

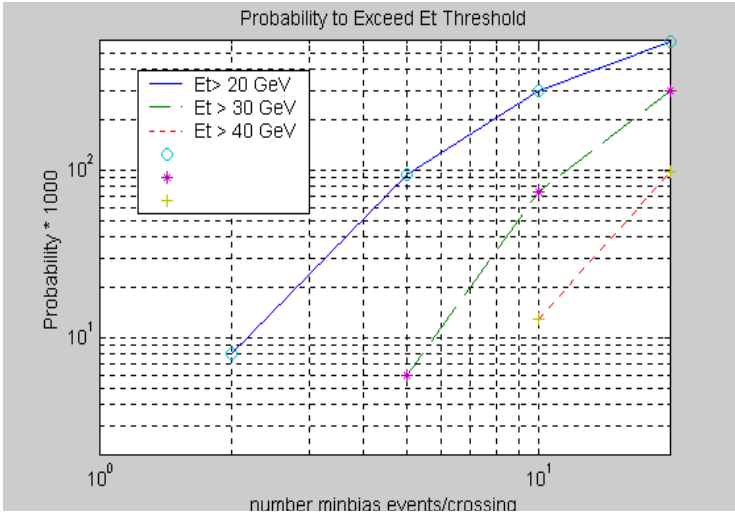
Mean Et increases as √n. σ/<Et> ~ 0.5 for all n

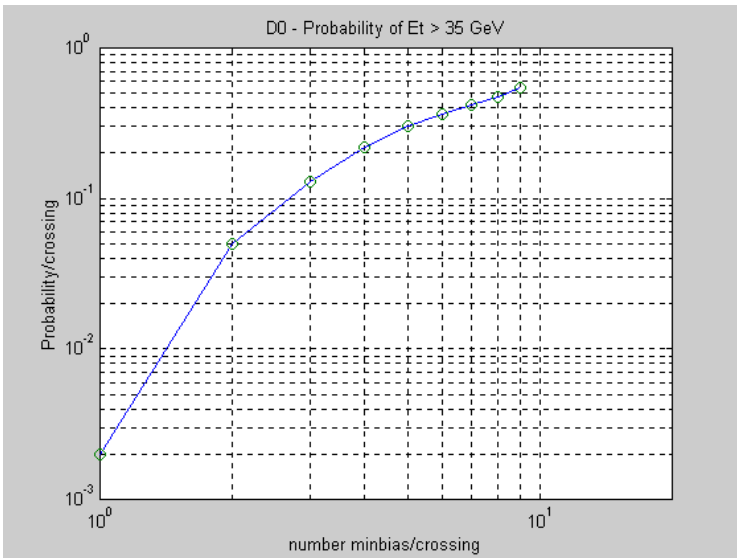




Missing Et Trigger Thresholds

There is a 1% chance to trigger at 40 GeV at full luminosity in this model





D0 data has similar shape and same $\sigma/\langle Et \rangle \sim 0.5$. In detail, the D0 data has a larger Et for n = 1